

GRANSKIY, Viktor Isidorovich; POPILOV, L.Ya., nauchnyy red.; ZIL'BERMINTS,
L.V., red.; KRYUCHKOVSKIY, S.A., bibliograf.red.

[Technological development in the seven-year plan; a guide to
recommended popular literature] Tekhnika v semiletнем плане;
rekomendatel'nyi ukazatel' nauchno-populiarnoi literatury.
Nauchn.red. L.IA. Popilov. Leningrad, Gos.publichnaia biblio-
teka im. M.Ye. Saltykova-Shchedrina, 1960. 118 p. (MIRA 13:9)
(Bibliography--Technology)

KRYUCHKOVSKIY, Semen Arkad'yevich; POPILOV, L.Ya., nauchnyy red.;
GRANSKIY, Y.I., red.

[Technology for everybody; index of recommended scientific popular
literature] Tekhnika dlia vseh; rekomendatel'nyy ukazatel' nauchno-
populiarnoi literatury. Leningrad, Izd. Gos. Publichnoi biblioteki
im. M.E.Saltykova-Shchedrina, 1962. 118 p. (MIRA 15:6)
(Bibliography--Technology)

VASIL'YEVA, M.N.; GRANSKIY, V.I.; KRYUCHKOVSKIY, S.A.; VERSHIK,
A.M., kand. fiz.-matem. nauk, nauchn. red.;
TIKHOMIROVA, G.N., red.

[Mathematics for engineers; bibliography of recommended
literature] Matematika dlia inzhenerov; rekomendatel'-
nyi ukazatel' literatury. Moskva, Kniga, 1965. 157 p.
(MIRA 18:12)

1. Leningrad. Publichnaya biblioteka.

GRANSTREM, E.E.

Interneural synapses of the posterior corpora quadrigemina. Dokl.
AN SSSR 151 no.4:975-977 Ag '63. (MIRA 16:8)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno
akademikom V.N.Chernigovskim. (BRAIN)

SOV/146-58-4-11/22

AUTHORS: Fateyev, A.V., Doctor of Technical Sciences, Professor, Vavilov, A.A., Candidate of Technical Sciences, Docent, Granstrem, M.P., and Kotchenko, F.F., Engineers

TITLE: An Automatic Quick-Response Compensator Developed on the Basis of the EPP-09 Instrument

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Priborostroyeniye, 1958, Nr 4, pp 60-68 (USSR)

ABSTRACT: The automatic, quick-response compensator EPP-09, produced by the Soviet industry, does not meet the quick-response requirements for laboratory and production purposes, since the indicator travels over the dial within 1 second, while in some cases a travelling speed of 0.2 - 0.3 seconds is required. The solution of this problem presents great difficulties, since re-adjustments must be kept at a minimum and must not exceed 0.2 - 0.3% of the dial length. The minimum zone of non-sensitivity must not exceed 0.1 - 0.2% of the dial length. The experience of a number of foreign enterprises proves the possibility of creating a device which

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provides the required quick-response. In this paper, the authors describe the servo mechanism for the quick-response automatic compensator EPP-09 with a measuring range of 0 - 10 millivolts and 0 - 500 microvolts, and present also some results of the experimental investigation of the model of the automatic, quick-response compensator. It has an indicator travelling time of 0.25 - 0.3 seconds with a maximum readjustment value of 0.2 - 0.3% of the dial length. The improvements were developed at the Kafedra avtomatiki i telemechaniki Leningradskogo elektrotekhnicheskogo instituta imeni V.I. Ul'yanova (Lenina) (Chair of Automation and Remote Controls of the Leningrad Electrical Engineering Institute imeni V.I. Ul'yanov (Lenin)). Figure 1 shows the principal circuits of the servo mechanism. The motor RD-09 which was originally used, was replaced by a DARM-4/2 motor, because the ASM-100 motor did not provide the required quick-response

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An Automatic Quick-Response Compensator Developed on the Basis of
the EPP-09 Instrument

(only 0.5 seconds). The control winding of the DARM-4/2 motor is fed from the push-pull output stage of an electronic amplifier with 6P3S tubes. Figure 3 shows the circuit diagram of the electronic amplifier of the automatic quick-response compensator for the measuring range of 0 - 10 millivolts, while the amplifier of the range of 0 - 500 microvolts is shown in Figure 4. Each amplifier is built with two 6N2P, one 6N1P and two 6P3S tubes. Figure 5 shows a photograph of the electronic amplifier. Figures 6, 7, 8, 9 show oscillograms and diagrams of the functioning of the servo mechanism. The zone of non-sensitivity is 0.1 - 0.2% of the dial length. The authors recommend the servo mechanism also for other automatic, quick-response compensators produced by the Soviet industry. There are 1 photograph, 3 circuit diagrams, 1 graph, 4 oscillograms, 2 diagrams and 3 references, 2 of which are Soviet and 1 English.

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SOV/146-58-4-11/22

An Automatic Quick-Response Compensator Developed on the Basis of
the EPP-09 Instrument

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut imeni V.
I. Ul'yanova (Lenina) (Leningrad Electrical Engineer-
ing Institute imeni V.I. Ul'yanov (Lenin))

SUBMITTED: April 13, 1958

Card 4/4

L 00012-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)

ACCESSION NR: AR5008442

UR/0271/65/000/002/A010/A010

62 - 507

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 2A51

AUTHOR: Granstrom, M. P.

TITLE: Determination of parameters of a complicated periodic regime in a relay system

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 53, 1964, 336-350

TOPIC TAGS: automatic control, ^{1,55}automatic control design, ¹⁴automatic control system, automatic control theory

TRANSLATION: A complicated periodic regime is considered which arises in the model of a relay temperature control system with a predictive relay element (RE); the method of harmonic balance is used. Describing functions of predictive RE

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L 00012-66

ACCESSION NR: AR5008442

2

are determined by means of an AChKh-1 frequency-characteristic analyzer developed at the Automatics and Telemechanics Chair, Leningrad Electrotechnical Institute, and by means of an MN-7 electronic simulator. A general scheme of the experiment is explained. The test RE operates with forced oscillations which consist of a sum of the first and third harmonics with known amplitudes and phase shift. The above first-plus-third-harmonic input-signal describing functions serve to determine the qualitative distribution of the families of these functions in the complex planes. It was found that the describing-function families are situated in the limited regions of complex planes. The characteristics for a phase shift between the amplitudes of the first and third harmonics equal to $+120^\circ$ are analyzed. The relations between the fundamental harmonics and the parameters of the complicated periodic regime are determined from a known combination of harmonics. The condition of stability of the periodic regimes is formulated. By means of the above families, parameters of a complicated periodic regime in third-order systems are graphically determined. The linear part of the system comprises three aperiodic units with known time constants. Given are the linear-

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ACCESSION NR: AR5008442

part gain, the RE transfer ratio, the total system gain, and the logarithmic frequency characteristics of the linear part. An experimental verification included a juxtaposition of the found parameters with the result of simulating the system on an MN-7 electronic simulator. An inference is drawn that the describing functions for several input signals can be determined for any frequency-independent nonlinearity or for a combination of nonlinearities. It is noted that the above method of determining complex periodic regimes is usable when the parameters of the linear part are specified by their frequency characteristic and when it is desirable to ascertain the existence of the complex regime in the form of a sum of its fundamental harmonics. Bibl. 12. Figs. 10.

SUB CODE: IE

ENCL: 00

mix
Card 3/3

GRANSTREM, H.P.

Evaluating the precision of the harmonic balance method used for determining simple natural oscillations in relay systems. Izv.vys. ucheb.zav.; prib. 7 no.5:51-59 '64. (MIRA 17:12)

1. Leningradskiy elektrotekhnicheskiy institut imeni V.I.Ul'yanova
Lenina. Rekomendovano kafedroy avtomatiki i telemekhaniki.

L 24552-66 EWT(1)/EWA (h)

ACC NR. AP6006321

SOURCE CODE: UR/0413/66/000/002/0043/0043

Vavilov, A. A.; Granstrem, M. P.; Solodovnikov, A. I.

U.S. 118

TI In infralow frequency generator of sinusoidal oscillations of multiple frequencies. Class 21, No. 177937

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 43

TOPICS: electronic circuit, oscillation, very low frequency, electric generator

ABSTRACT: This Author Certificate presents an infralow frequency generator of sinusoidal oscillations of multiple frequencies. The generator contains a driving generator and a driven generator. The design eliminates the trigger of the frequency divider in the synchronization circuit and also provides compensation of the attenuation of the oscillatory system and simultaneous synchronization of the driven generator by an outside signal. The input of the relay element connected to the positive feed-back circuit of the driven generator is also connected to the driving generator.

SUB CODE: 09/ SUBM DATE: 27Jun63

UDC: 621.373.42

Card 1/1

1. GRANT, B. K., ENG.
2. USSR (600)
4. Cranks and Crankshafts
7. Repairing the crankshaft of the B-15 concrete pump.
Elek. sta. 23 no.9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

GRANT, J. ; TRZICKY, J.

Position and tasks of the centers for inventions, improvement suggestions, and standardization in research institutes.

P. 8, (Sbirka Vynalezu) Vol. 6, No. 1, Jan. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

GRANT, J.

Bearings which eliminate spontaneous vibration in revolutions with a speed beyond the critical point. p. 106.

(Sbirka Vynalezu. Vol. 6, no. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

GRANT, Kh.Ya. [Grants, H.]

Effect of elevated external temperature on the properdin level
in healthy persons and in patients infected with rabbit staphylo-
coccus; author's abstract. Zhur. mikrobiol., epid. i immun.
40 no.10:150 O '63. (MIRA 17:6)

1. Iz Rizhskogo meditsinskogo instituta.

KUZINA, A.N.; MALETINA, M.V.; ADOMONITE, G.M.; GRISHINA, O.S.; GRANT, Kh.Ya. [Grants, H.]; KOVALEVA, V.I.; ZIL'FYAN, V.H.; MNATSAKANYAN, A.G.; BOYKO, L.D.; SVERCHKOV, A.N.

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no.11:138-143 '65. (MIRA 18:5)

1. Irkutskiy institut epidemiologii i mikrobiologii (for Kuzina, Maletina).
2. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha (for Adomonite).
3. L'vovskiy institut epidemiologii, mikrobiologii i gigiyeny (for Grishina).
4. Rizhskiy meditsinskiy institut (for Grant).
5. Dagestanskiy institut po proizvodstvu pitatel'nykh sred (for Kovaleva).
6. Yerevanskiy meditsinskiy institut i Respublikanskaya sanitarno-epidemiologicheskaya stantsiya (for Zil'fyan, Mnatsakanyan).
7. Kiyevskiy institut epidemiologii i mikrobiologii (for Boyko, Sverchkov).

ACC NR: AT6033754 SOURCE CODE: PO/2540/66/014/001/0001/0013

AUTHOR: Matyja, Henryk--Matyya, G; Grant, Nicholas J.--Grant, N Ya.

ORG: none

TITLE: Internal oxidation of nickel alloys

SOURCE: Warsaw. Instytut Mechaniki Precyzjnej. Prace, v. 14, no. 1(51), 1966, 1-13

TOPIC TAGS: ~~nickel alloy~~, nickel base alloy, nickel alloy oxidation, high temperature oxidation, oxidation kinetics, binary alloy, beryllium containing alloy, aluminum containing alloy, chromium containing alloy, titanium containing alloy, METAL OXIDATION, OXIDE FORMATION.

ABSTRACT: Internal oxidation of several binary vacuum-melted, nickel alloys containing Be, Al, Cr and Ti has been investigated. Cylindrical specimens, 9.5 mm in diameter and 12.7 mm long, were subjected to oxidation at temperatures of 650, 750, 950 and 1050C for 10, 50 and 100 hours. It was established that the energy value of oxide particles depends on the absolute free energy of oxide forming from the element which is in the solid solution and on the difference of free-energy values of oxide forming from the solvent and from the dissolved metal. The greater this difference and the greater the absolute value of oxide

Cord 1/2 UDC: 669.245

ACC NR: AT6033754

forming from the dissolved metal, the smaller is the size of precipitated oxide particles. The thickness of the oxide layer is greatly affected by the concentration of alloying elements, and it increases as the content of alloying elements increases. No explanation of the effect of alloying-element concentration on the dimensions of oxides, or grain boundaries, and twinning planes in the process of internal oxidation was found. Orig. art. has: 27 figures and 8 tables.

SUB CODE: 11/ SUBM DATE: none/ OTH REF: 011

Cord 2/2

GRANT, Ye. Ye.

GRANT, Ye. Ye., professor, doktor meditsinskikh nauk; KODKIN, A.S., redaktor;
~~LOTSKIY, V.P., tekhnicheskiy redaktor~~

[Tissue therapy; a bibliography of Soviet literature] Tkanevaia
terapiia; bibliografiia otechestvennoi literatury. Sost. E.E.
Grant. Barnaul. 1954. 106 p. (MLRA 10:8)

1. Glavnyy vrach Altayskogo krayevogo Doma sanitarnogo prosveshcheniya
(for Kadkin). 2. Stalinskiy institut usovershenstvovaniya vrachey.
(BIBLIOGRAPHY--TISSUE EXTRACTS)

NEFEDOV, V.D.; GRACHEV, S.A.; GRANT, Z.A.

Separation of p-tolyl derivatives of tellurium by paper chromatography. Zhur.ob.khim. 32 no.4:1179-1182 Ap '62. (MIRA 15:4)

1. Leningradskiy gosudarstvennyy universitet.
(Tellurium--Analysis) (Paper chromatography)

S/079/63/033/001/001/023
D403/D307

AUTHORS: Nefedov, V. D., Toropova, M. A., Grachev, S. A., and
Grant, Z. A.

TITLE: Chemical changes during the β -disintegration of RaE
and their utilization for the synthesis of p-tolyl
derivatives of polonium

PERIODICAL: Zhurnal obshchey khimii, v. 33, no. 1, 1963, 15-18

TEXT: A discussion is first given of the possibility of using the
chemical changes occurring during the disintegration of RaE com-
pounds particularly aromatic organometallics, for the synthesis
of Po derivatives, proposing that the nature of the parent molecule
should exert a strong effect on the character of chemical changes
during the β -disintegration. Confirmation of this proposition and
application of the above chemical changes to synthesis of the or-
ganometallic compounds of Po, At, Fr, etc. were the chief objects
of this work. The compounds studied were Bi(RaE)Tol_3 and Bi(RaE)-

Tol_3Cl_2 , where Tol=tolyl, using paper chromatography to separate

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Chemical changes during ...

S/079/63/033/001/001/023
D403/D307

and identify the Po derivatives formed. Analogous Te compounds were used as carriers for the Po derivatives. The best eluents were found to be MeOH-H₂O and (CH₃)₂CO-MeOH-H₂O, taken respectively in the proportions of 3:1 and 4:3:2 by volume. The following new compounds were found: Po(p-Tol)₂, (p-Tol)₂PoCl₂, (p-Tol)PoCl₃ and (p-Tol)₃PoCl, as well as some inorganic Po. The relative proportions of these products confirmed that the nature and properties of the parent compound strongly affect the chemical changes. The advice and assistance of G. A. Razuvayev and A.N. Murin is acknowledged. There are 3 figures and 2 tables.

SUBMITTED: February 26, 1962

Card 2/2

STANINEC, Michal; GRANTOVA, Helena

Use of prednisone in the treatment of pulmonary complications of measles.
Cesk. pediat. 14 no.4:343-348 5 Apr 59.

1. Infekční klinika Praha-Bulovka, přednosta prof. dr. Jaroslav Procházka.
 - (MEASLES, compl.
 - pneumonia, prednisone ther. (Cz))
 - (PNEUMONIA, in inf. & child,
 - in measles, prednisone ther. (Cz))
 - (PREDNISONE, ther. use,
 - pneumonia in measles (Cz))

STANINEC, M.; GRANTOVA, H.; BABJUK, J.

Blood proteins in aphthous stomatitis. Cesk. pediat. 14 no.8:721-724 Aug 59.

1. Infekcni klinika na Bulovce, prednosta prof. dr. J. prochazka
Centralni laboratore nemocnice na Bulovce, predn. prim. dr. K. Masek.
(STOMATITIS, blood) (BLOOD PROTEINS)

GRANTOVA, Helena; MILEK, Eduard; KOHUT, Jaroslav

A contribution to the control of ornithosis. Pracovni lek. 13 no.10:
486-489 D '61.

1. Klinika infekcnich nemoci v Praze, prednosta prof. dr. J. Prochazka,
OUNZ Praha, zapad, obvodni zdravotnicke stredisko v Libusi.

(ORNITHOSIS prev & control)

MILEK, Eduard; GRANTOVA, Helena; SKVRNOVA, Kveta

Clinico-epidemiologies studies on ornithosis. Cas. lek. cesk. 101
no.40:1193-1196 5 0 '62.

1. Klinika infekcnich nemoci v Praze 8 - Bulovka, prednosta prof.
dr. J. Prochazka. Ustav epidemiologie a mikrobiologie v Praze,
prednosta prof. dr. K. Raska.
(ORNITHOSIS)

CZECHOSLOVAKIA

MILEK, E., MD; GRANTOVA, H., MD.

Prague (for both)

Prague, Veterinarstvi, No 6, 1963, pp 250-253

"Psittacosis in a Veterinary Doctor."

GRANTOVA, H.; VOJTECH, K.; MILEK, E.

Pulmonary form of ornithosis. Cas. lek. cesk. 102 no.15:385-389 12
Ap '63.

1. Klinika infekcnich nemoci, Praha-Bulovka, prednosta prof. dr.
J. Prochazka Klinika zakladna rtg katedry UDL, Praha-Bulovka, vedouci
MUDr. J. Slanina.
(ORNITHOSIS) (LUNG DISEASES) (OCCUPATIONAL DISEASES)
(POULTRY)

CZECHOSLOVAKIA

GRANTOVA, Helena, MUDr; SOMSKA, Natalie, MUDr; STANINEC, Michal, doc. MUDr. CSc.

1. Clinic for Contagious Diseases (Klinika infekcnich nemocí), Prague (for ?); 2. (Eye-Ear-Nose-and-Throat Section, Prague Hospital (Ušní nosní a krční oddelení nemocnice, Prague) (for ?)

Prague, Praktický lékař, No 18, 20 September 1965, pp 705-707

"Ear complications of measles."

APPROVED FOR RELEASE: 03/13/2001
CZECHOSLOVAKIA

CIA-RDP86-00513R000516530003-8

TESAROVA, J.; GRANTOVA, H.; MILEK, E.; Clinic of Infectious Diseases, Fac. of Gen. Medicine, Charles University (Infekční Klinika Fak. Všeob. Lek. KU), Prague 8 - Bulovka, Head (Prednosta) Prof Dr J. PROCHAZKA; Institute for Postgraduate Medical Training, Chair of Internal Diseases (Ústav pro Dostkolování Lékařů, Interní Katedra), Prague, Head (Vedoucí) Prof Dr O. SMAHEL.

"Cardiovascular Changes in Patients Suffering from Ornithosis."

Prague, Casopis Lékařů Českých, Vol 105, No 36-37, 9 Sep 66, pp 985 - 987

Abstract [Authors' English summary modified]: Cardiovascular changes in 70 patients with ornithosis, confirmed by serological and epidemiological methods, were investigated. EEG changes of temporary toxic damage to the heart muscle were found in 21.4%, myocarditis in 4.3%, collapse in 2 patients, and thrombophlebitis of lower extremities in 2 patients. None of the 70 patients died during hospitalization. One patient died of an infarction 10 months after discharge from the hospital, one developed a coronary syndrome 8 months after discharge. 1 Table, 13 Western, 4 Czech, 1 Russian reference. (Manuscript received May 66).

1950/02

on 1950/02/10, 10:10:10

1950/02/10, 10:10:10

vacuum distillation of mazut

1950/02/10, 10:10:10, no. 11, 1950, 15-38

vacuum sublimation, distillation, petroleum refining

A two-column scheme of vacuum distillation was designed. The first column was planned to include removal of two side fractions: a light distillate and a fraction, boiling in the range 350-575°C. The second column was planned for secondary distillation of the bottom product of the first column, separating the distillate from the residue. The second column was planned to be of cylindrical distillate from which the residue was removed. The possibility of controlling the quality of the distillate was planned. In addition, simultaneously preventing the possibility of carry-over and lubricating oil distillate. The planned test runs, and the vacuum setup of the column, and the planned consumption of steam, staff of each column, etc., are summarized in the following figure and tables.

Card 12

PS-16029

1/2/1968

OTHER: 1/2

Card 2/2

MILEK, E.; GRANTOWA, H.; KULKOVA, H.

Psittacosis in childhood. Cesk. pediat. 18 no.8:678-682
Ag '63.

1. Klinika infekcnich nemoci v Praze na Bulovce, prednosta
prof. dr. J. Prochazka Virologicke oddeleni nemocnice v Praze
na Bulovce, vedouci MUDr. J. Korb.
(ORNITHOSIS) (PNEUMONIA) (TETRACYCLINE)
(DIAGNOSIS, DIFFERENTIAL) (COMPLEMENT FIXATION TESTS)

GRANTS, A. (Riga)

Determination of partial pressure of gases in arterial blood in some lung diseases. Vestis Latv ak no.11:169-178 '59. (EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut eksperimental'noy meditsiny.

(BLOOD) (LUNGS) (ARTERIES) (GASES)

GRANTS, E.(Riga)

Characteristics of the disturbed respiration function in different chronic unilateral diseases of the lung. Vestis Latv ak no.6: 159-166 '60.

(EEAI 10:9)

1. Akademiya nauk Latviysky SSR, Institut eksperimental'noy meditsiny.

(RESPIRATION) (LUNGS)

GRANTS, E. A., CAND MED SCI, "^{Disturbance}~~DISORDER~~ OF EXTERNAL
RESPIRATION IN CANCER AND CHRONIC PNEUMONIA." RIGA,
1961. (RIGA MED INST). (KL, 3-61, 231).

411

VITENBERGS, Guntis; GRANTS, Elmars; ROZENBERGA, R., red.; LEMBERGA, A.,
red.

[Is the incidence of cancer increasing?] Vai saslimstiba ar vezi
klust biezaka? Riga, LPSR Zinatnu akademijas izdevnieciba,
1961. 42 p. (MIRA 15:2)

(LATVIA--CANCER)

GRANTS, E.A.

8th Republicwide Conference of the Oncologists of the
Latvian S.S.R. Vop. onk. 11 no.8:121-123 '65.

(MIRA 18:11)

GRANTS, J.

Flowers of the blue field.

p. 21 (Padomju Latvijas Kolchoznieks. Vol. 9, no. 10, Oct. 1957, Riga, Latvia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

AUTHORS: Gudriniyetse, E., Vanag, G.,
Kursemniyeks, A., Grants, Z.

S/153/60/003/01/031/058
B011/B005

TITLE: Interaction Between Sulfuryl Chloride and Beta Diketones

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya
tekhnologiya, 1960, Vol 3, Nr 1, pp 119-121 (USSR)

TEXT: The authors proved that sulfuryl chloride is a good chlorination reagent for cyclic β -diketones. Ether, dioxane, CCl_4 , 1,2-dichloroethane, chloroform, and benzene were used as solvents. The highest yields in dichloro- β -diketones were obtained in dioxane at a ratio of β -diketone : sulfuryl chloride = 1 : 2.5. The reaction was carried out at different temperatures between 0 and 80°. At higher temperatures, the reaction proceeds faster, but only 2,2-dichlorodiketones-1,3 (I) are formed. Without a solvent, the reaction proceeds very vigorously, and the product becomes resinous. Application of ultraviolet light (quartz lamp) and anhydrous aluminum chloride did not lead to the formation of sulfochlorides. The compounds produced are: 2,2-dichloroindandione-1,3, 2,2-dichlorodimedone, 2,2-dichloro-5-phenylcyclohexanedione-1,3, and 2,2-dichloroperinaphthindandione. The table (p 120) shows the reaction temperatures, solvents, yields, and the calculated and measured melting points of the products obtained. There are 1 table

Card 1/2

Interaction Between Sulfuryl Chloride and Beta
Diketones

S/153/60/003/01/031/058
B011/B005

and 13 references, 3 of which are Soviet.

ASSOCIATION: Rizhskiy politekhnicheskiy institut; Kafedra organicheskoy khimii
(Riga Polytechnic Institute; Chair of Organic Chemistry)

SUBMITTED: February 23, 1959

Card 2/2

ROMANOVSKIY, N.T.; BUDAVY, V.Yu.; GRANTSEVA, R.T.; ROZENOVA, M.I.

New standards for the amortization of foundry equipment. Lit.
proizv. no.10:28-31 0 '60. (MIRA 13:10)

(Foundries--Equipment and supplies)
(Founding--Accounting)

GRANTSKAYA O. A.

Atlas historico-ethnographique du peuple russe."

Report submitted for the 6th Intl. Anthrological and Ethnological Sciences
Congress, Paris, 31 Jul-5 Aug 1960.

GRANTYN', A.A.

Effect of morphine on the electric activity of individual bulbar
respiratory neurons. Biul. eksp. biol. i med. 59 no.4:53-57 Ap '65.
(MIRA 18:5)

1. Kafedra farmakologii (zav. - prof. A.V. Val'dman) I Leningradskogo
meditsinskogo instituta imeni akademika Pavlova.

[illegible]

GRANZHAN, A. V.

USSR/Chemistry - Analysis, Bases

Dec 50

"Apparatus for Plant Control of the Acetylene Content in Gas," A. V. Granzhan, B. V. Volkov, Gorlovka Nitrogen-Fertilizer Plant

"Zavod Lab" No 12, p 1432

Describes portable gas analyzer used for anal of gases with acetylene contents 0.005-0.8%. App, consisting of 3 glass parts mounted on wooden frame, is very simple in constr and sufficiently accurate.

18217

CA

7

Determination of monoethanolamine in water solution
in presence of ammonia. N. N. Polyakov and A. V.
Granzhan. *Zashchita Lab.* 16, 492 (1950).—The sample
is titrated with H_2SO_4 to give total alkyl; the soln. is
then cooled, and treated with excess 30% NaOH and NH_3
is removed by evapn. and boiling with collection in
 H_2SO_4 . The difference thus obtained represents the
ethanolamine content of the original sample.
G. M. Kosolapoff

CA

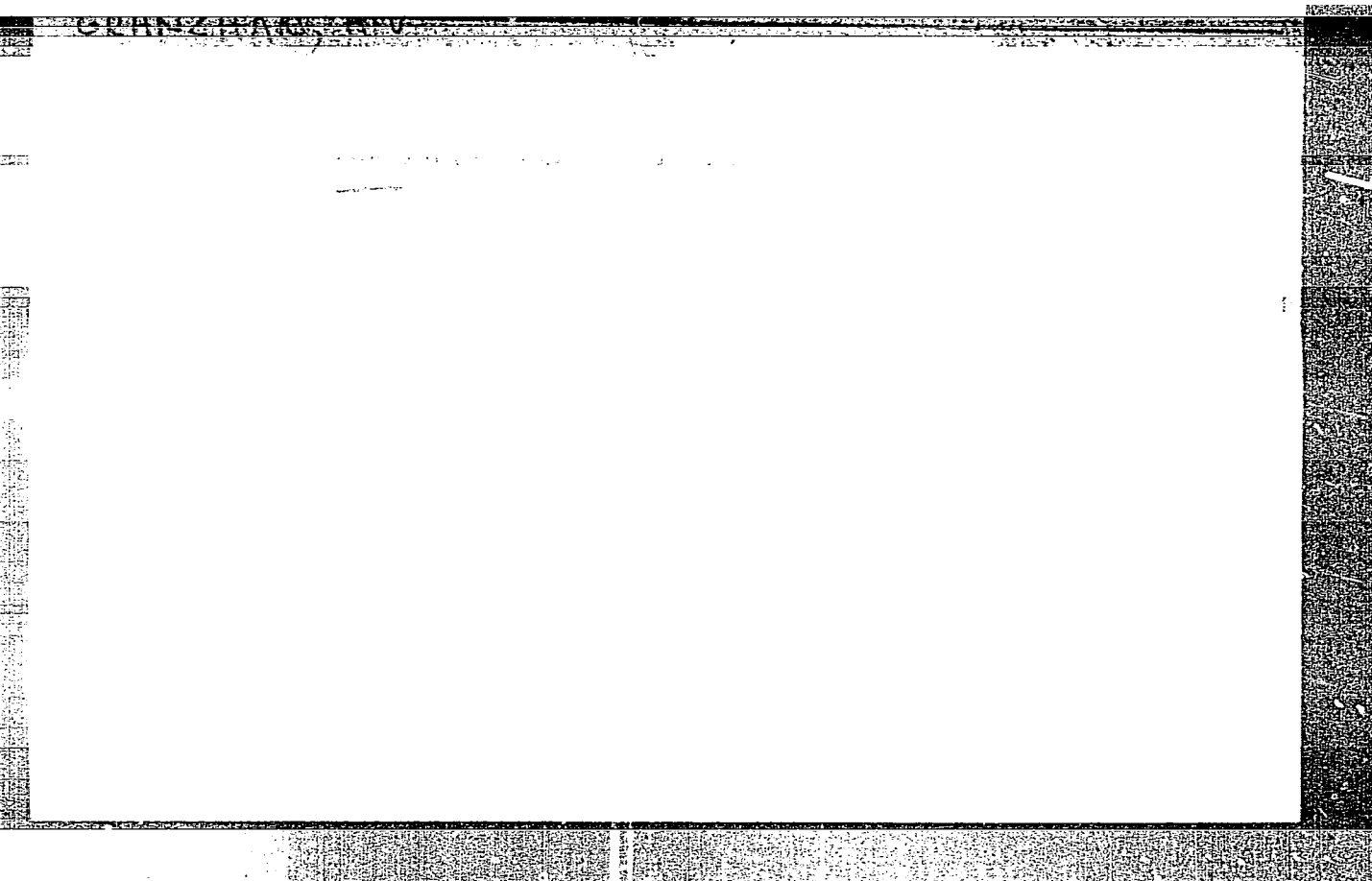
Apparatus for plant control of acetylene content in gas.
A. V. Granzhan and B. V. Volkov. *Zvezdskaya Lab. 16*,
1908(1907).—The app. is a simplified gas analytical buret
through which the sample is drawn and in which a desired
colorimetric reagent is placed. A picture of the app. is
provided. G. M. Kosolapoff

(S) RANZHAM, H.V.

1. The following information was obtained from a source who has provided reliable information in the past.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516530003-8



APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516530003-8"

5(1)

AUTHORS:

Granzhan, A. V., Kaluzhnikova, I. M.

SOV/64-58-8-12/19

TITLE:

The Removal of Ammonia From the Condensate of the Liquor Vapor of Neutralizers (Ochistka kondensata sokovogo para neytralizatorov ot ammiaka)

PERIODICAL:

Khimicheskaya promyshlennost', 1958, Nr 8, pp 497 - 498 (USSR)

ABSTRACT:

Three cation exchangers - sulfonated coal, wofatit P and KU-2 were tested as to their applicability for the purification of the liquor vapor condensate in the production of ammonium nitrate which is subsequently to be used for the cleansing of the acid absorption. The tests were carried out in laboratory columns (Figure). The cation exchanger was prepared according to the method of the VTI. The tests in which sulfonated coal was used (Table) showed that the capacity of sulfonated coal depends on the ammonia concentration in the condensate and, to some extent, also on the temperature. With wofatit P the temperature has much less influence, while the effect of the ammonia concentration is considerable. The cation exchanger KU -2 has a much greater capacity than the other

Card 1/2

The Removal of Ammonia From the Condensate of the Liquor SOV/64-58-8-12/19
Vapor of Neutralizers

exchangers under consideration. Its capacity is, moreover, practically independent of the temperature within the range of 40 - 60°. Because of its capacity (1300 - 1600 g equivalent/cu.m.) and thermostability (Ref 2) the cation exchanger KU-2 can be recommended for use in the purification of the condensate from ammonia. There are 1 figure, 1 table and 2 Soviet references.

Card 2/2

GRANZHAN, A.V.

Change in the hydrogen cyanide content of coke-oven
gas at different points along the processing line.
Khim.prom. 2:164 My '60. (MIRA 13:7)

1. Gorlovskiy azotnotukovyy zavod.
(Hydrocyanic acid) (Coke-oven gas)

VLASOV, O.N.; GRANZHAN, V.A.; SAVENKO, L.M.

Saturated vapor pressure of the dimethyl esters of adipic, glutaric, and succinic acids and liquid - vapor equilibrium of their binary solutions. Zhur. prikl. khim. 36 no.10:2311-2313 0 '63. (MIRA 17:1)

L 18968-63 EWP(j)/EPF(c)/EWT(m)/BDS ASD Pc-4/Pr-4 RM/WW/MAY

ACCESSION NR: AP3006619 S/0076/63/037/009/2012/2015

AUTHORS: Granzhan, V. A.; Vlasov, O. N. 68

TITLE: Dipole moments of certain dicarboxylic acid esters. 7

SOURCE: Zh. fizicheskoy khimii, v. 37, no. 9, 1963, 2012-2015

TOPIC TAGS: dicarboxylic acid ester, dipole moment, dimerization, dicarboxylic acid monoester, rotation about C-C bonds, Debye equation

ABSTRACT: Because physico-chemical properties of dicarboxylic acid esters have not been systematically investigated, the present work was carried out in order to study electric properties of mono- and dimethyl esters of certain dicarboxylic acids. The Debye equation was employed to calculate dipole moments. The dipole moments of monomethyl glutarate, monomethyl adipate, dimethyl glutarate, dimethyl malonate, dimethyl succinate, dimethyl adipate and methylvinyl adipate were determined. Strong interaction exists between methyl groups and carbonyl oxygen. In the diesters, the dipole

Card 1/2

L 18968-63

ACCESSION NR: AP3006619

moment depends upon the structure of the carbon chain. It is smaller in molecules having an even number of methylene groups than in those with an odd number of these groups. In benzene solutions, the monomethyl esters exist partially in associated form, and dipole moments of dimers are smaller than those of monomers. Orig. art. has: 6 equations, 3 formulas and 2 tables.

ASSOCIATION: Severodonetskiy institut azotnoy promy*shlennosti (North Donetz institute for the nitrogen industry).

SUBMITTED: 13Aug62 DATE ACQ: 30Sep63 ENCL: 00

SUB CODE: CH NO REF SOV: 002 OTHER: 000

2/2

Card

GRANZHAN, V.A.; SEMENENKO, S.V.

Static dielectric constant of methyl esters of lower dicarboxylic acids. Zhur. struk. khim. 6 no.3:451-453 My-Je '65.

(MIRA 18:8)

1. Filial Instituta azotnoy promyshlennosti i produktov organicheskogo sinteza g. Sverodonetsk.

VLASOV, O.N.; GRANZHAN, V.A.; KIRILLOVA, O.G.

Association of acid esters of dicarboxylic acids. Zhur. ob.
khim. 35 no.1:3-7 Ja '65. (MIRA 18:2)

1. Lisichanskiy filial Gosudarstvennogo instituta azotnoy
promyshlennosti.

VLASOV, O.N.; ORAZZHAN, V.A.

Liquid-vapor equilibrium of the nyston dimethyl ester of
adipic acid - monomethyl ester of adipic acid. Zhur. prikl.
khim. 38 no.5:1167-1169 Ky '65. (MIRA 18:11)

GRAOVAC, Bogdan

GRAOVAC, Bogdan

Statistical results of treatment of cavitary pulmonary tuberculosis
with tuberculous allergen. Tuberkuloza, Beogr. 5 no.5-6:416-431
Nov-Dec 53.

1. III Interna klinika Medicinskog fakulteta u Beogradu (upravnik
prof. dr. A. Radosavljevic)

(TUBERCULOSIS, PULMONARY

*cavitation, ther., tuberc. allergen)

(BIOLOGICAL PRODUCTS, ther. use

*tuberc. allergen in cavitation tuberc.)

~~SECRET~~
GROVAC, Bogdan, dr.; OLIGEROVA, Nada, dr.

Two cases of acute generalized military tuberculosis of the lungs treated with combinations of antibiotics and tuberculous allergen. Tuberkuloza, Beogr. 6 no.4:217-221 July-Aug 54.

1. III Interna klinika Medicinskog fakulteta u Beogradu (upravnik prof. dr. A.Radosavljevic)

(TUBERCULIN, ther. use

tuberc., military generalized, with streptomycin)

(STREPTOMYCIN, ther. use

tuberc., military generalized, with tuberculin)

(TUBERCULOSIS, MILIARY, ther.

streptomycin with tuberculin in generalized tuberc.)

GRAOVAC, Bogdan, Doc., dr.

Classification of pulmonary tuberculosis. Tuberkuloza, Beogr.
8 no.1:18-46 Jan-Feb 56.

1. III Interna klinika Med. fakulteta u Beogradu (upravnik
prof. dr. A. Radosavljevic).
(TUBERCULOSIS, PULMONARY,
classif. (Ser))

GRAOVAC, Bogdan, Doc., dr.

Fibrinous (croupous) pneumonia and revised classification.
Tuberkuloza, Beogr. 8 no.5:295-305 Sept-Oct 56.

1. III Interna Klinika Medicinskog Fakulteta u Beogradu
(upravnik: prof. dr. A. Radosavljevic).
(PNEUMONIA, LOBAR
classif. (S1))

GRAOVAC, Bogdan, Doc., dr.

Successfully treated case of fibrocaseous cavernous pulmonary tuberculosis with simultaneous severe nephrosis. Tuberkuloza, Beogr. 8 no.5:323-326 Sept-Oct 56.

1. III Interna Klinika Medicinskog fakulteta u Beogradu (upravnik: prof. dr. A. Radosavljevic).

(TUBERCULOSIS, PULMONARY, compl.

nephrosis, severe, with fibrocaseous cavernous tuberc.,
successful ther. (S1))

(NEPHROSIS, compl.

tuberc., pulm., fibrocaseous cavernous, successful
ther. (S1))

GRAOVAC, Bogdan

A syndrome of intracapsular exudates with the thickened and atrophies pleura. Tuberkuloza, Beogr. 12 no.2:202-210 '60.

1. Interna klinika "B" Medicinskog fakulteta, Beograd (upravnik: prof
dr. R.Berovic)
(PLEURISY pathol)

GRAOVAC, Bogdan

Lymphogranulomatosis — with special reference to pulmonary and mediastinal lesions. Tuberkuloza, Beogr. 12 no.4:34-52 '60.

1. Interna klinika B Medicinskog fakulteta, Beograd (upravnik: prof. dr R. Berovic)

(HODGKIN'S DISEASE pathol) (LUNG NEOPLASMS)
(MEDIASTINUM neopl)

GRAOVAC, Bogdan, doc., dr.

Nature and mechanism of allergy and principles of specific therapy
of allergic diseases. Voj.san.pregl. 18 no.4:373-377 Ap '61.

1. Medicinski fakultet u Beogradu, Interna klinika "B".

(ALLERGY ther)

BOZOVIC, Borislav, prof. dr.; GRAOVAC, Bogdan, doc. dr.; DEVEČERSKI,
Miloje, dr.; PUTNIK, ~~Milan, dr.~~; ~~OLIGOROV~~, Nada, dr.;
SLEPCEVIC, Dragoljub, dr.

Use of mitomycin C in the treatment of various cases of
carcinoma. Med.Glas.17 no.11/12:447-448 N-D '63.

1. Interna klinika B. Medicinskog fakulteta Univerziteta u
Beogradu (Upravnik: prof. dr. R. Berovic).

GRAOVAC, Bogdan, doc. dr.

Treatment of pulmonary abscesses. Vojnosanit. pregl. 20 no.8:
520-525 Ag '63.

1. Medicinski fakultet u Beogradu. Interna klinika "B".
(LUNG ABSCESS) (DRUG THERAPY)
(LUNG DISEASES, FUNGAL) (AMEBIASIS)
(LUNG DISEASES, PARASITIC)
(SURGERY, OPERATIVE)

S

BOROVIC, Borislav; GRAOVAC, Bogdan; PUTNIK, Milan; GLIGOROVA, Nada; DEVEČERSKI, Miloje; SIERČEVIĆ, Dragoljub; STOJANOVIC, Gradimir; AHACIC, Ivan; NIKOLIC, Ruzica.

Bronchial carcinoma during the period of 1955-1961 in the Clinic
3 of the Belgrade Medical Faculty. Srpski arch. celok. lek. 92
no.3:241-248 Mr '64.

1. Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu.
(Upravnik: prof. dr. Radivoje Berovic).

GRACOVAC, Bogdan, docent dr.

Our results in the treatment of lung abscess of cortical localization. Vojnosanit. pregl. 23 no.1:16-23 Ja '66.

1. Medicinski fakultet u Beogradu, Interna klinika "B".

GRACOVAC, Bogdan, doc. d-r

Treatment of exudative serofibrinous and serohemorrhagic primary
tuberculous serositis with glucocorticoids and tuberculostatic drugs.
Voj.san.pregl., Beogr. 17 no.7/8:808-819 J1-Ag '60.

1. Medicinski fakultet u Beogradu, Interna klinika "B"
(ADRENAL CORTEX HORMONES ther)
(ANTITUBERCULAR AGENTS ther)

GRAOVAC, Zivorad; JOVANOVIĆ, Dimitrije

The effects of radium therapy on teeth in evolution. Srpski arh.
celok. lek. 83 no.3:394-397 March 55.

1. Klinika za decju i preventivnu stomatologiju, Stomatoloskog
fakulteta u Beogradu. Upravnik: doc. dr. Zivorad Graovac.

(RADIUM, eff.

on teeth in child. (Ser))

(TEETH, in inf. & child

eff. of radium ther. on (Ser))

KARAJOVIC, D.; GRAOVAC-LEPOSAVIC, Lj.; JEROTIC, V.; POPOVIC, M.; KALIC-
FILIPOVIC, D.; DUKNIC, V.

Effect of carbon disulfide on health of workers of a Serbian
factory. Arh. hig. rada 15 no.1:87-92 '64.

1. Institut za medicinu rada Socijalisticke Republike Srbije,
Beograd.

GRAOVAC-LEPOSAVIC, Lj.; MILOSAVLJEVIC, Z.; ILIC, V.

Liver function tests in workers exposed to trichloroethylene.
Arh. hig. rada 15 no.1:93-97 '64.

1. Institut za medicinu rada Socijalisticke Republike Srbije,
Beograd.

GRAPA, O., dr.; STANESCU, D., dr.; BEGHEANU, S.; NEDELCU, C.

Diagnostic value of scintigrams in some hepatic diseases.
Med. intern. (Bucur.) 16 no.8:951-958 Ag '64.

GRILL, O.; STANISSE, L.; YULCAN, F.; GOLTCOU, AL.; FORAYOU, G.

The diagnostic value of phosphorus uptake in cutaneous tumours.
Rumunian med. rev. 19 no.2:46-49 Apr-Je '65.

G24. Oct., 1961.

Reaction of the adult hematogenous organs to ionizing irradiation. Med. Intern. (Bucur.) 16 no.10:1173-1179 0 161

1. Incursă efectuată în Institutul de Igienă și Protecția Muncii.

RUMANIA

SUTEU, I., Dr, and GRAPINI, L., Dr. Work performed at the "Unificat" Hospital (Spitalul "Unificat"), Bistrita.

"Considerations on the Sterilization of Carriers of Diphtheria Bacilli."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 4, Jul-Aug 66, pp 373-376.

Abstract [Authors' English summary modified]: The authors report on the sterilization of 45 carriers of diphtheria bacilli. In 36 cases, treatment for 7 days with chloramphenicol and erythromycin proved successful; the other cases proved resistant to the antibiotics and were sterilized by tonsillectomy.

Includes 4 Rumanian references. -- Manuscript submitted 24 October 1964.

1/1

- 20 -

GRAPMAN, E.M.; LITMANOVICH, K.Yu.; DANILOV, Ye.N.

Angiography of the arteries of the lower extremities in occlusion.
Khirurgiia 36 no.9:44-46 S '60. (MIRA 13:11)

1. Iz rentgenologicheskogo otdeleniya (rukovoditel' - dotsent
D.S. Kus'min) i khirurgicheskoy kliniki (rukovoditel' - chlen-
korrespondent AMN SSSR prof. A.N. Filatov) Leningradskogo ordena
Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta
perelivaniya krovi.

(LEG—BLOOD SUPPLY)

(ANGIOGRAPHY)

GRAPMAN, E.M. (Leningrad)

Differential X-ray diagnosis of chronic obstruction of the
arteries of the lower extremities. Klin.med. 40 no.10:82-86
O '62. (MIRA 15:12)

1. Iz rentgenologicheskogo otdela (rukovoditel' dotsent D.S.
Kuz'min) Leningradskogo ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. -
dotsent A.D.Belyakov, nauchnyy rukovoditel' - chlen-korrespondent
AMN SSSR zasluzhennyy deyatel' nauki prof. A.N.Filatov).
(ANGIOGRAPHY) (EXTREMITIES, LOWER--BLOOD SUPPLY)

KUZ'MIN, D.S., dotsent; GRAPMAN, E.M.

Arteriography of the lower extremities; surgey of the Soviet
and foreign literature. Vest.khir. no.6:109-113 '62.

(MIRA 15:11)

1. Is rentgenologicheskogo otdela (rukovod. - dotsent D.S.
Kuz'min) Leningradskogo ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skogo instituta perelivaniya krovi
(nauchn. rukovod. - prof. A.N. Filatova).

(ANGIOGRAPHY) (EXTREMITIES, LOWER---RADIOGRAPHY)

GRAPMAN, E. R.

GRAPMAN, E. R.: "The Dynamics of Secretion of the Salivary, Gastric, and Intestinal Glands in Disorders of Water Balance." Min Higher Education. Latvian Agricultural Academy. Riga, 1956. (Dissertation for the Degree of Candidate in Veterinary Science)

So: Knishnaya Letopis', No. 18, 1956.

"APPROVED FOR RELEASE: 03/13/2001

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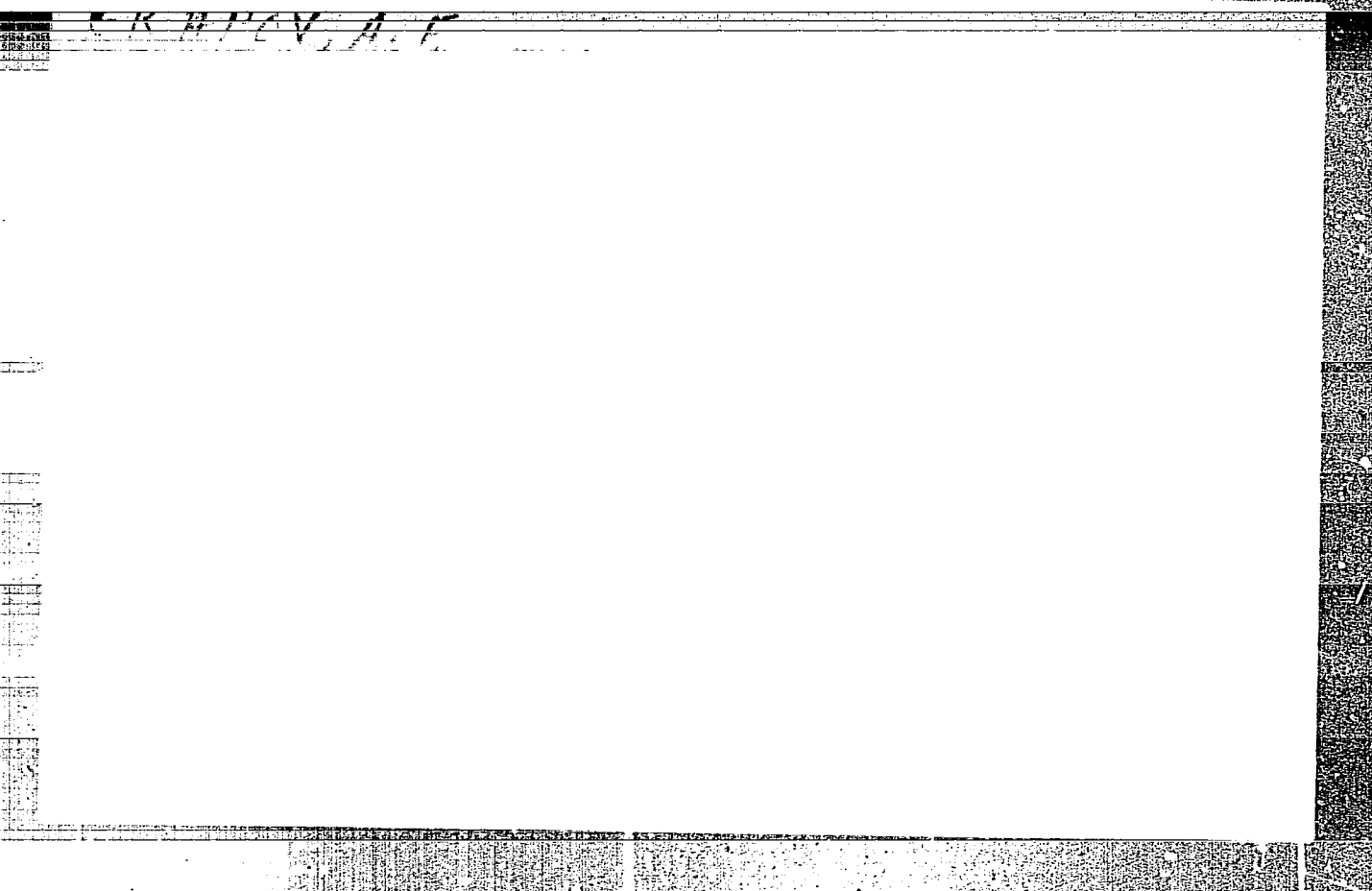
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APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516530003-8"

MEL'NIKOV, N.H.; GRAPOV, A.F.; SHVETSOVA-SHILOVSKAYA, K.D.

New method for producing mixed esters of dithiophosphoric acid. Khim.
nauka i prom. 2 no.2:264-265 '57. (MIRA 10:6)

1. Nauchno-issledovatel'skiy institut udobreniy i insektofungitsidov
(Esters) (Phosphoric acid)

GRAPOV, A.F.

460

AUTHORS:

Nazarov, I. N.; Makin, S. M.; and Grapov, A. F.

TITLE:

Heterocyclic Compounds. Part 51. Synthetic Anesthetics. Chap. 14. Esters of 1,2,5-trimethyl-4-phenyl-4-piperidole with Functional Groups at Acyl radical. Analogues of promedol and Isopromedol. 1. (Geterotsiklicheskiye Soyedineniya 51. Sinteticheskiye obezbolevayushchiye veshchestva. XIV. Slozhniye efiry 1,2,5-trimetil-4-fenil-4-piperidola s funktsional'nymi gruppami pri atsil'nom ostatke. Analogi promedola i izopromedola. 1)

PERIODICAL:

Zhurnal Obshchey Khimii, 1957, Vol. 27, No. 1, pp. 101-110 (U.S.S.R.)

ABSTRACT:

Studying the physiological activities of various esters, the authors synthesized numerous 1,2,5-trimethyl-4-phenyl-4-piperidole esters containing (in the acyl radical) alkoxy, phenoxy and alkylsulfide groups as well as halides, nitrogen and double bonds. It was found that the introduction of these groups into the acyl radical of acetic and propionic esters of 1,2,5-trimethyl-4-phenyl-4-piperidole sharply reduces or completely destroys the analgetic activity of these substances. Esterification of 1,2,5-trimethyl-4-phenyl-4-piperidole with chlorides of analogous acids by the Spasov (4) method led to the formation of methoxyacetate and ethoxyacetate.

Card 1/2

MEL'NIKOV, N.N.; SHVETSOVA, K.D.; GRAPOV, A.P.; MIL'SHTEYN, I.M.; KAGAN,
M.Ya.

Investigation of new chemicals for the protection of plants.
[Trudy] NIUIF no.164:27-28 '59. (MIRA 15:5)
(Insecticides)

ГРАФОВ, А. Ф.

Cand Chem Sci - (diss) "Reaction of aryldiazonium salts with phosphorus thio-acids." Moscow, 1961. 17 pp with diagrams; (State Committee for Chemistry of the Council of Ministers USSR, Scientific Inst for Fertilizers and Insectofungicides imeni Prof Ya. V. Samoylov); 200 copies; price not given; (KL, 6-61 sup, 197)

MEL'NIKOV, N.N.; GRAPOV, A.F.

Reactions of aryl diazonium salts with thio- and dithiophosphonic acids. Zhur.VIHO 6 no.1:119-120 '61. (MIRA 14:3)

1. Nauchnyy institut po udobreniyam i insektofungitsidam.
(Diazonium compounds) (Phosphonic acid)

MEL'NIKOV, N.N.; SHVETSOVA-SHILOVSKAYA, K.D.; GRAPOV, A.F.

Preparing carbophos. [Trudy] NIUIF no.171:7-14 '61. (MIRA 15:7)
(Malathion)

GRAPOV, A.F.

The reaction of dithiophosphoric acids with aromatic diazo compounds.

Khimiya i Primeneniye Fosfororganicheskikh Soedineniy (Chemistry and application of organophosphorus compounds) A. YE. AGRADOV, Ed.
Publ. by Kazan. Affil. Acad. Sci. USSR, Moscow 1962, 432 pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

L 2158-66 ENT(1)/ENT(m)/EWP(j)/EWA(h)-2
ACC NR: AP 5026042

RM/RO/GS

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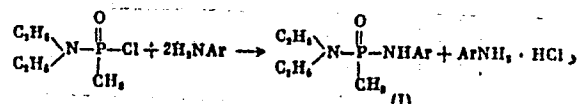
AUTHOR: Mel'nikov, N. N.; Grapov, A. F.; Razvodovskaya, L. V.

TITLE: Herbicides and plant-growth regulators. 41. Synthesis of unsymmetrical diamides of methylphosphonic acid

SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskoy khimii. Biologicheskii aktivnyye soyedineniya (Biologically active compounds). Moscow, Izd-vo Nauka, 1965, 258-259

TOPIC TAGS: pesticide, fungicide, herbicide, growth regulator, phosphonic acid derivative

ABSTRACT: In the course of continuing search for new pesticides, a series of N,N-diethyl-N'-arylmethylphosphonodiamides were prepared from N,N-diethylamidomethylphosphonyl chloride and substituted anilines:



where Ar = C₆H₅, o-ClC₆H₄, m-ClC₆H₄, p-ClC₆H₄, o-CH₃C₆H₄, p-CH₃C₆H₄, p-NO₂C₆H₄, p-CH₃OC₆H₄, p-C₂H₅OC₆H₄. Most of the compounds obtained inhibit the growth of the fungi Borytis cinerea, Fusarium oxysporum, Rhizoctonia violacea, and Fusicladium dendriticum. Only N-p-nitrophenyl-N',N'-diethylmethylphosphonodiamide approaches the

Card 1/2

2198-66

ACC NR: AP5026042

standard (1,4-dichloronaphthoquinone) in effectiveness. Orig. art. has: 1 table. [VS]

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv
zashchity rasteniy (All-Union Scientific Research Institute of Chemicals for Plant
Protection)

SUBMITTED: 10Feb64

ENCL: 00

SUB CODE: CC, LS

NO REF SOV: 003

OTHER: 004

ATD PRESS: 4119

Card 2/2

L 52171-65 ENT(1)/EWA(j)/EWA(b)-2 Pa-4 RO

ACCESSION NR: AP5015538

UR/0286/65/000/008/0079/0080

Author: Mel'nikov, N. N.; Grapov, A. P.; Lebedeva, N. V.; Bakuzenko, L. A.;
Bukashkina, Z. V.

TITLE: A method for controlling weeds. Glas, 45, No. 170245

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 79-80

TOPIC TAGS: agriculture, pesticide, ester, amidoester

ABSTRACT: This Author Certificate presents a method for controlling weeds by herbicides. To broaden the assortment of herbicides, amidoesters of methyl- and chloromethylphosphinic acid, with a general formula shown in Fig. 1 on the Enclosure, are used as a herbicide. Orig. art. has: 1 formula.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
rasteniy (All-Union Scientific Research Institute of Chemical
Protection of Vegetation)

SUBMITTED: 15Jun64

ENCL: 01

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 1/2

L 52171-65

ACCESSION NR: AP5015538

ENCLOSURE: 01

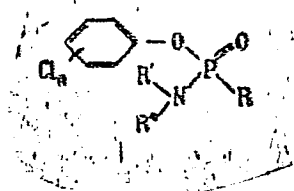


Fig. 1

R- CH₃ or ClCH₂; R' = H or alkyl C₁-C₄; R'' = alkyl
C₁-C₄; n = an integral number from 1 to 5

C'

Card 2/2

MEL'NIKOV, N.N.; GRAPOV, A.F. RAZVODOVSKAYA, L.V.

N-alkylamidomethylthiophosphonyl chlorides. Zhur. VKHO 10
no. 4:463-464 '65. (MIRA 18:11)

Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
sredstv zashchity rasteniy.